

3,000 Gallons Per Hour (GPH) Tactical Water
Purification System (TWPS)
(version 3.0)

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SCoE

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This System Training Plan (STRAP) is preliminary.
Front end analysis (mission, task, job) is ongoing. SCoE will amend
and update this STRAP as details solidify.

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1 System Description

This STRAP defines the requirements for future procurement of a water purification system to replace the current 3,000 Gallons per Hour (GPH) Reverse Osmosis Water Purification Unit (ROWPU). This system will fill a mission need by providing the Army with a Tactical Water Purification System (TWPS) that is mobile and capable of purifying a broad range of water sources to meet water support requirements within the Echelons Above Brigade (EAB). The 3,000 GPH TWPS is designated as an enhancement to the EAB and will provide a means for producing a safe, reliable supply of potable water to support the interim, legacy, and objective forces. The 3,000 GPH TWPS will be designed as a modular system. It will produce 3,000 GPH of potable water and will produce the same amount of water as the existing 3,000 GPH ROWPU. The 3000 GPH TWPS purifies fresh, brackish, and salt waters for safe human consumption. The 3,000 GPH TWPS will fit in a standard International Standards Organization (ISO) container and will be mounted on an M871 Trailer. System will be powered by a MIL STD 60KW generator. The critical technology elements of the 3K TWPS are identified as reverse osmosis (RO), and will include high pressure pump, energy recovery, media filtration, cartridge filtration and a raw water intake system that will draw water as far as 200 feet from the source. The Army intends to use the current 5 ton tractor and 32 foot M871 trailer configuration. The system will be transported to the water purification site and put into operation while remaining on the trailer or being placed on the ground.

The 3,000 GPH TWPS may require special cold weather storage to prevent the system from freezing. Unique storage facilities may be necessary for membrane elements during hot and cold temperature storage and transport. The user may require procedures for safe collection and disposal of brine concentrate during CONUS and OCONUS training operations in accordance with applicable local, state, federal, and host nation environmental regulations. First Unit Equipped Date (FUED): FY18

2 Target Audience

Training is required for the following Military Occupational Specialties (MOSS):

- 92W - Water Treatment Specialist
- 91J - Quartermaster and Chemical Equipment Repairer
- 91D - Power-Generation Equipment Repairer

- 923A - Petroleum System's Technician
- 919A - Engineer Equipment Repair Technician
- 90A92R8 - Petroleum and Water Officer

3 Assumptions

a. 3,000 GPH TWPS will not result in a quantity increase of target audience personnel.

b. 3,000 GPH TWPS and support packages will be provided to the training base to allow resident training to start six months before the FUE date: FY18.

c. Resident and unit sustainment training requirements will not increase.

d. The Materiel Developer, in coordination with the United States Combined Arms Support Command (USACASCOM) Training Developer will develop required manuals, training strategies, and products to support the fielding. All training products will be developed IAW TRADOC Reg. 350-70 Army Learning Policy and Systems and will be easily adaptable for institutional training development and unit sustainment training.

e. Training material will be in compliance with and developed using the System Approach to Training (SAT) methodology, be input using TDC program, apply the concept of Distributed Learning (dL), and be Sharable Content Object Reference Model (SCORM) compliant.

f. Equipment will be issued to the training base in order to support all courses at the maximum capacity rate (shared facilities and/or equipment must be identified and scheduled).

4 Training Constraints

<i>Constraint Type</i>	<i>Probable Impact</i>	<i>Mitigating Efforts</i>
Budgetary restrictions	Could affect availability	Funds For OPTEMPO
Training equipment availability	Lack of 3,000 GPH TWPS systems near units	Distance Learning (dL) based IMI from Institutions
Web Based Training, no connectivity	WWW connection failures	No web based training available
Equipment density	Insufficient number of 3,000 GPH TWPS in the institution to conduct hands-on training in all courses	Upgrades to the current 3,000 GPH TWPS
Total number of personnel to be trained	Training shortfall	Train multiple shifts
Special unit and command-unique requirements	Reduce realism for missions	Initiative and imagination
Training facility	Space Shortfalls	Temporary facilities
Safety hazards/restrictions	Soldier injuries and damage to Army property	Conduct composite risk management IAW FM 5-19, Conduct Composite Risk Management
Noise abatement requirements	Hearing protection required operation	Use hearing protection IAW safety procedures
Environmental requirements	Proper disposal of waste water	

Support services contract support)	Shortfalls	Increased use of military/government personnel
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5 System Training Concept

The training concept for the 3,000 GPH TWPS will be described in three domains: Institutional, Operational, and Self-Development. The phases within these training domains will include; New Equipment Training (NET), Combined Arms Training Strategy (CATS) Individual Warrior Training, and CATS Unit (Soldier) Training. System Technical Manuals (TMs) and training materials will be developed by the materiel developer and funded by the program manager (PM). Training materials and TMs will be verified, tested and fielded concurrently with the system. The United States Army Combined Arms Support Command (USACASCOM) Training Support Directorate (TSD) and Systems Integration Division, will review/verify all training products for completeness, content, and applicability to military instruction and training IAW TRADOC Regulation 350-70 and Training Development Capability (TDC) or TRADOC approved format.

The NET concept will establish that the material developer or their contract representative will provide all necessary resources to develop and execute the training. Training will be developed IAW AR 350-1 and TR 350-70, Army Learning Policy and Systems. All training development products, such as tasks, lesson plans, course administrative data (CAD), program of instructions (POI), etc., will be entered into TRADOCs Training Development Capabilities (TDC) or approved TRADOC system. These products will be concurrently developed with the system and delivered in draft to USACASCOM, Training Support Directorate (TSD), and Systems Integration Division (SID), for review and approval no later than 90 days prior to test player training for the operational or limited user test and evaluation. The training will utilize the actual system and involve at least 70% hands-on instruction. Institutional trainers will receive instructor and key personnel training (IKPT) on the entire NET Training Support Package(TSP). The final NET TSP will be delivered to USACASCOM, Training Support Directorate, and System Integration Division for review and approval no later than 120 days of the First Unit Equipment Date (FUED): FY18.

5.1 New Equipment Training Concept (NET)

The Program Manager (PM) shall ensure a NET Support Package is developed in coordination with United States Army Combined Arms Support Command to support all training for Operator/Crew, Maintainer and Sustainment Training IAW AR 350-1 and TR 350-70. The PM shall provide NET funding for each assigned system in accordance with the approved operational requirements document, approved Program Baseline, and decisions made during the milestone reviews governed by AR 70-1. The NET TSP will be developed concurrently with 3000 GPH

TWPS program. Programs of Instruction (POI) and Lesson Plans must be IAW AR 350-1 and TRADOC Regulation 350-70. The NET support package will include technical manuals (ETM/IETMs format), task list, Program of Instruction (POI), Lesson Plans, Student Guides, embedded training, and Web-based IMI Distributed Learning (dL) package. IMI dL package will be developed IAW TRADOC Pam. 350-70-12. Web Base Interactive Multimedia Instruction (IMI) will be used in conjunction with the NET TSP to facilitate sustainment training and will continue until all applicable units are trained and fielded.

The final NET TSP shall be delivered for review and approval to USACASCOM, Training Support Directorate, System Integration Division, NLT 120 days of the First Unit Equipment Date (FUED): FY18.

5.2 Displaced Equipment Training (DET)

Will not be required for the 3,000 GPH TWPS. The 3000 GPH TWPS will replace all current 3K ROWPU Systems in the Army inventory.

5.3 Doctrine and Tactics Training (DTT)

The DTT Package will include introductory briefings and literature in the use and employment of the 3,000 GPH TWPS.

5.4 Training Test Support Package (TTSP)

The Training Developer (TD) will provide the Training Test Support Package (TTSP) for the operational test support package. The TTSP will be delivered for review and approval by USACASCOM, TSD, and SID within 60 days of operational testing. The final TTSP will consist of:

- STRAP
- Electronic Technical Manual/ Interactive Electronic Technical Manuals(ETM/IETMs)
- Task List
- Lesson Plans
- Student Guides
- Program of Instruction (POI)
- Student Evaluations
- Training Evaluations

- Training Devices
- Target Audience Soldiers

6 Institutional Training Domain

Individual and collective tasks will be trained to both the Active Army and Reserve Component. There will be no difference in the training content between the AA and RC except in the delivery method. Institutional training will consist of 80 hours of school house/ New Equipment Training for individual operators and maintainers. The Training with the 3,000 GPH TWPS system will focus on familiarization of the 3,000 GPH TWPS operation, maintenance, capabilities and employment doctrine, tactics, techniques and procedures. Training will be conducted with a 3,000 GPH TWPS system. The PM will ensure all training products are easily adapted for institutional training development and unit sustainment operations. The PM will prepare these products IAW the Training Requirements Analysis System (TRAS) process, the TRADOCs TDC database, TR 350-70, and TRADOC Pam 350-70-10, System Approach to Training Course and Courseware Validation. Training materials will be provided to USACASCOM NLT 60 days prior to the IKPT for verification.

6.1 Institutional Training Concept and Strategy

The 3000 GPH TWPS training concept is in accordance with section 5.0 (System Training Concept) which describes the implementation of three phase training:

- New Equipment Training (NET)
- Institutional Training (Maintainer and Operator/Crew)
- Sustainment Training (Unit Level Training at Installations)

The 3,000 GPH TWPS training strategy requires the system to be incorporated into the institutional operator/maintainer AIT and leader courses for both active and reserve components. The system will be trained using a combination of classroom Program of Instruction (POI), 3,000 GPH System and Computer Based Instruction (CBI). The 3,000 GPH TWPS will be institutionally trained for operator primary MOS (92W) at skill levels 10, 20 and 30 at the U.S. Army Quartermaster School, Fort Lee, VA. The 3,000 GPH TWPS will be institutionally trained for Maintainer primary MOS (91J) and (91D) at skill level 10 and 20 at the U.S. Army Ordnance School, Fort Lee, VA. The system will be trained using a combination of classroom Program of Instruction (POI), TADSS which include Maintainer Part Task Trainers (PTT), Electronic Systems Diagnostic Trainer (ESDT), and the actual 3,000 GPH TWPS which shall be provided by the Materiel Developer.

The Materiel Developer shall ensure that a sustainment training package is developed and delivered. The 3,000 GPH TWPS TSP will include technical manuals, Electronic Technical Manuals (ETM)/Interactive Electronic Technical Manuals (IETM), a task list, lesson plans, student guides, program of instruction and a Web-based Interactive Multi-Media (IMI) training package on the operation and maintenance of the 3,000 GPH TWPS. Technical manuals will be IAW MIL STD 40051-2 Technical Manual preparation and MIL STD 40051-1 Interactive Electronic Technical Manual preparation. The final NET TSP will be delivered for review and approval to USACASCOM, Training Support Directorate, System Integration Division, and NLT 120 days of the First Unit Equipment Date (FUED): FY18.

Instructors from TRADOC will receive IKPT prior to FUE. The training will be designed and developed IAW TR 350-70, within the TDC/Army Training Information Architecture (ATIA) or current approved TRADOC database, and will be developed concurrently with the 3,000 GPH TWPS and delivered to USACASCOM, SID for review and approval no later than 60 days prior to IKPT. The PM will ensure all training products can be easily adapted for institutional training development and unit sustainment training.

6.1.1 Product Lines

The Program Manager (PM) shall provide the following product for institutional training:

NET Support Package which includes:

- Technical Manuals
- Electronic Technical Manuals (ETM)
- Interactive Electronic Technical Manuals (IETM)
- Task List
- Program of Instruction (POI)
- Lesson Plans
- Interactive Multimedia Instruction (IMI)

Training Equipment

- 3,000 GPH TWPS
- Automated Training Module
- Operator Electronic Training Aid
- Maintainer Electronic Training Aid

All training products and courseware design will be in accordance with the Total Army Training System (TATS) distributive learning program standards and standardized design tools. Individual training courses and materials developed to support the 3,000 GPH TWPS system will be developed and implemented as TATS courses/products.

The Training Developer will determine the TADSS requirements for the Total Army School System (TASS) and direct fielding of the appropriate number of TADSS to the TASS objective. The goal is to field TADSS simultaneously with or prior to the fielding of the 3,000 GPH TWPS; however, configuration control issues identified during testing may result in the TADSS being fielded after the 3,000 GPH TWPS is fielded.

6.1.1.1 Training Information Infrastructure

All training products and courseware design will be in accordance with the Total Army Training System (TATS) distributive learning program standards and standardized design tools. Individual training courses and materials developed to support the 3,000 GPH TWPS will be developed and implemented as TATS courses/products.

6.1.1.1.1 Hardware, Software, and Communications Systems

The Program Manager (PM), as the Total Life-Cycle Systems Manager (TLCSM), shall include training in the same manner as the System Model. This will include but not be limited to training software and courseware that will be designed and developed in a reusable and maintainable format, i.e., Defense Information Infrastructure Common Operating Environment and Sharable Content Object Reference Model (SCORM) compliant.

6.1.1.1.2 Storage, Retrieval, and Delivery

The PM will ensure all training information is formatted IAW TRADOC Reg 350-70 for ease of input into the TDC database or current approved Army automated system. Units/Institutions will be able to access Web-based IMI DTV instructional packages on Army Learning Management System (ALMS) or the Blackboard Portal (Bb) to conduct the 3,000 GPH TWPS sustainment training.

6.1.1.1.3 Management Capabilities

The Training Development Capability (TDC) or current approved TRADOC database is used to track Training Support System (TSS) products. The Army Learning

Management System (ALMS) and Army Training Requirements and Resources System (ATRRS) will be used to schedule, deliver and record completion of training.

TADSS will be managed in the Training Support-Materiel Army-wide Tracking System (TS-MATS). TADSS developed in support of the 3,000 GPH TWPS will be issued a device number IAW DA PAM 350-9. TADSS shall be managed by PEO STRI throughout the life cycle of the 3,000 GPH TWPS.

6.1.1.1.4 Other Enabling Capabilities

Not Applicable

6.1.1.2 Training Products

The PM shall provide a 3,000 GPH TWPS multi-media Training Support Package (TSP) that can be used to support training at training institutions (Quartermaster and Ordnance) for sustainment and distance learning training. The PM shall also be responsible for upgrading the TSP as newer versions of software become available and modifications are made to the 3,000 GPH TWPS. The TRADOC developed TTP package will detail the concept of operations, effects on mission planning, capabilities and limitations of the equipment, and broadcast systems received by the system.

6.1.1.2.1 Courseware

The Program Manager (PM) shall provide operator and maintainer courseware for the following:

- familiarization training for TM verifications and Logistic Demonstrations
- test player training prior to the start of Operational Test
- Instructor and Key Personnel Training (I&KPT) for the New Equipment Training Team (NETT) and TRADOC Service School instructors and key personnel on production 3,000 GPH TWPS.
- Complete New Equipment Training Package, based on the I&KPT

Courseware will be designed using methods which facilitate learning examples, these include: Conference, Practical Exercises, Interactive Courseware (ICW), Interactive Multimedia Instruction (IMI), and/or Web-based instruction.

6.1.1.2.2 Courses

Training courses that will be affected by the 3K TWPS system for the following MOSs:

1) Operator:

- 92W - Water Treatment Specialist

2) Maintainer:

- 91J - Quartermaster and Chemical Equipment Repairer
- 91D - Power Generation Equipment Repairer - 91D will not require any additional institutional training. Power Generation equipment fielded with the 3,000 GPH TWPS will be a MIL STD 60 KW Generator that is currently being taught in the 91D course at the US Army Ordnance School.

3) W/O:

- 923A - Petroleum Systems Technician
- 919A - Engineer Equipment Repair Technician

4) Officer

- 90A92R8 - Petroleum and Water Officer

Below is a Course Chart for personnel receiving training on the 3,000 GPH TWPS:

Course	School	Student Instructor/Ratio Classroom	Student Instructor/Ratio Hands On	TADS S	Location
92W AIT	QM	1:18	1:06	Yes	Ft Lee, VA
92W AIT	QM	1:18	1:06	Yes	Ft Dix, NJ (USAR)

92W AIT	QM	1:18	1:06	Yes	Camp Blanding, FL (NG)
92W ALC	QM	1:12	1:06	Yes	Ft Lee, VA
92W ALC	QM	1:12	1:06	Yes	Ft Dix, NJ (USAR)
91J AIT	OD	1:12	1:04	Yes	Ft Lee, VA
91J ALC	OD	1:12	1:04	Yes	Ft Lee, VA
91J AIT	OD	1:12	1:04	Yes	Ft McCoy, WI
91J ALC	OD	1:12	1:04	Yes	Camp Shelby, MS
91J ALC	OD	1:12	1:04	Yes	RTSM Salina, KS
919A	OD	1:12	1:04	Yes	Ft Leonard Wood, MO
923A	QM	1:12	1:04	Yes	Ft Lee, VA
8A- SIR8	QM	1:12	1:04	Yes	Ft Lee, VA

6.1.1.2.3 Training Publications

The operator and maintainer Technical Manuals (TMs) will be IAW MIL STD 40051-2 Technical Manual Preparation and MIL STD 40051-1 Interactive Electronic Technical Manual Preparation. Standard commercial off-the-shelf (COTS) TMs, 10 and 20 series shall not meet the military style of maintenance processes and procedures. If used, COTS manuals must be supplemented to meet the requirements outlined in Army Regulation 750-1 and be evaluated to the fullest extent possible using the Department of Defense handbook (MIL-PRF-32216). TMs will be in paper and an electronic format.

- AR 350-1 (Army Training and Leader Development)
- AR 350-38 (Training Device Policies and Management)
- AMC Pam 25-31 (Preparation of Plans for Technical Publications Verification)
- TRADOC Regulations 350-70 (Army Learning Policy and Systems)
- TRADOC Regulation 71-20 (Concept Development, Capabilities Determination, and Capabilities Integration)
- TRADOC Pamphlet 350-70-1 (Training Development in support of the Operational Domain)
- TRADOC Pamphlet 350-70-10 (Systems Approach to Training and Courseware Validation)
- TRADOC Pamphlet 350-70-12 (Distributed Learning-Managing Courseware Production and Implementation)
- TRADOC Pamphlet 350-70-2 (Multimedia Courseware Development)
- FM 3-11.5 (Multiservice Tactics, Techniques and Procedures for Chemical, Biological, Radiological and Nuclear Decontamination)
- Army Universal Task List (AUTL), dated 27 February 2009
- AR 750-1 (Army Material Maintenance Policy)
- DA PAM 750-8 (The Army Maintenance Management System Users Manual)

6.1.1.2.4 Training Support Package (TSP)

The 3,000 GPH TWPS system requires development of training support items/products such as task list, lesson plans, student handouts, POI, training aids, web-based IMI, operator and maintenance TMs, maintenance charts

and literature (to include troubleshooting and schematics), etc. All training materials will be developed by the contractor and approved by the USACASCOM to ensure they meet TRADOC standards and are consistent with proponent strategies for the MOS affected. Training products such as those listed above must be provided in multimedia formats so that the TRADOC proponent school can use the same data for multiple applications (e.g., training courses, extension training material, Telenet training, Computer Based Instruction (CBI), etc. The Program Manager (PM) will ensure a NET TSP is developed in coordination with USACASCOM to support all training for operator, maintainer and sustainment training and be IAW AR 350-1 and TR 350-70. All lessons will be developed using the SAT process as stated in the regulations listed above.

6.1.1.3 TADSS

(a) Individual: Individual training will be conducted using IMI, TADSS, and actual 3,000 GPH TWPS systems. Proponent schools and units issued the 3,000 GPH TWPS will conduct training for operators and maintainers. Appropriate manuals will be provided.

(b) Maintainer training will incorporate the use of IMI, TADSS with programmable electrical faults, and Component Parts provided by the Materiel Developer as directed by USACASCOM. Any major components of the 3,000 GPH TWPS needed to train maintainers, will be delivered separate from the system. All 3,000 GPH TWPS TADSS designated for Ordnance must support electrical troubleshooting and require predetermined electrical faults installed in the electrical system. These items will be required and integrated into existing courses at the institution. Appropriate manuals will be provided IAW AR 25-30. Verification of all manuals by USACASCOM is required.

6.1.1.3.1 Training Aids

The Materiel Developer shall provide training aids IAW the product lines listed above in section [6.1.1](#)(Product Lines).

6.1.1.3.2 Training Devices

Training devices for Maintainers and Operators must simulate the physical and functional fidelity necessary to train selected 3,000 GPH TWPS critical tasks to applicable TRADOC standards.

Web-based IMIs shall support sustainment training for system operations and maintenance procedures in a synthetic training

environment by depicting scenario based training. IMIs shall also provide for training scenarios. Tutorials shall be embedded in all IMIs to provide convenient instructional assistance during training. IMIs will be developed IAW TRADOC Pam. 350-70-12.

6.1.1.3.3 Simulators

There are no simulators required for the 3,000 GPH TWPS for institutional training.

6.1.1.3.4 Simulations

There is no requirement for simulations for the 3000 GPH TWPS or its target audience MOSs listed in section 2.0.

6.1.1.3.5 Instrumentation

Not Applicable

6.1.1.4 Training Facilities and Land

3,000 GPH TWPS training will use the existing Quarter Master Military in the Field (MIF) sites and classroom facilities at the various training installations. It will also be trained at General Instruction Building at the Ordnance School, Fort Lee, VA.

6.1.1.4.1 Ranges

Not Applicable

6.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

6.1.1.4.3 Classrooms

Sufficient classrooms or on site access are required to be available to support training. Automation equipment such as projectors, computers and video screens will be available.

6.1.1.4.4 CTCs

Not Applicable

6.1.1.4.5 Logistics Support Areas

The institution is responsible for storing, processing, supporting, and staging training products and systems, both classified and unclassified.

6.1.1.4.6 Battle Command Training Centers (BCTC)

Not Applicable

6.1.1.5 Training Services

US Army Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI) will provide Contractor Logistical Support (CLS) for all 3K TWPS TADSS.

At the direction of ATSC, STIDD, Devices Division, the DA Executive Agent for the management of fielded TADSS, and in accordance with AR-350-38, Training Device Policies and Management, 15 October 1993 (under revision), all TADSS are fielded to the supporting Training Support center (TSC). The TSC will add TADSS to the property book; the Training Support-Material Armywide Tracking System (TS-MATS) and issue to the gaining unit on a long-term/permanent hand receipt. All actions involving TADSS will be processed through the respective TSC.

6.1.1.5.1 Management Support Services

Not Applicable

6.1.1.5.2 Acquisition Support Services

Not Applicable

6.1.1.5.3 General Support Services

Not Applicable

6.1.2 Architectures and Standards Component

Institutional Architecture and Standards Component will be IAW TRADOC Regulation 350-70, Executive Summary (ES-3 and Chapter II-6). Institutions have the responsibility to structure it's architecture using the SAT or TDC process which has four phases (analysis, evaluation, design, and development). The PM shall provide a TTSP for analysis and evaluation into the SAT or TDC process. The TTSP shall provide information on interoperability and interfacing capabilities of the system. Institutional training must start in sufficient time to provide trained replacements for the first units equipped with the system. This should be at the FUED but not later than one year after the FUED unless the system fielding schedule justifies starting institutional training at a later date IAW (AR 350-1). The initial developmental process for institutional training to support a new system is complete upon handoff by the contractor. However, proponents must maintain currency of the institutional training to meet all system modification/update requirements. Proponents have the responsibility to utilize Post Fielding Training Effectiveness (PFTEA), observations, insights and lessons (OIL), Tactics, Techniques and Procedures (TTP), After Action Review (AAR), Center for Army Lessons Learned (CALL), and other operational/training documentation from all relevant sources for modifications to the SAT or TDC process to support the institutional training architecture.

6.1.2.1 Operational View (OV)

6.1.2.2 Systems View (SV)

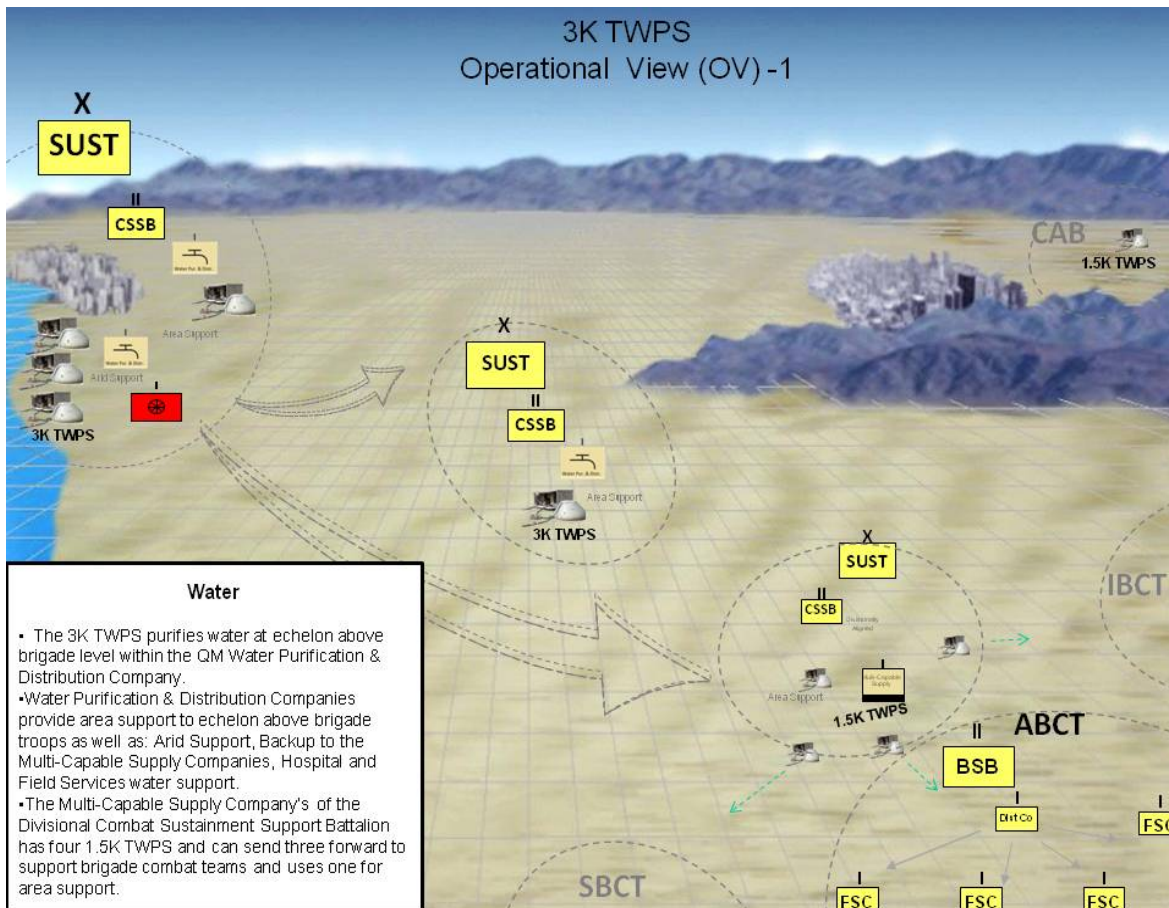
There is no Systems view currently available for the 3,000 GPH TWPS.

6.1.2.3 Technical View (TV)

There is currently no Technical View available for the 3,000 GPH TWPS.

6.1.3 Management, Evaluation, and Resource (MER) Processes Component

All data used to support the Management, Evaluation, and Resource (MER) Process Component will be IAW AR 11-33, Army Lessons Learned Program, and TR 350-70. Institutional course information will be entered into TRADOCs TDC database. The SAT process is derived from a model with four phases (analysis, evaluation, design, and development). The evaluation process will apply to TRADOC activities and The Army School System (TASS) responsible for performing training development which includes evaluation and quality assurance of the



training. In addition evaluation will be continuous throughout the SAT process with feedback for corrective actions. It permeates all phases and is the reinforcement that ensures all training and training products are effective in producing trained Soldiers. Products will be evaluated either formally (i.e., product validation) or informally to determine currency, efficiency, and effectiveness, followed by revisions as required. Assessment of training will be conducted during the evaluation phase using tools such as analysis, monthly status reports and risk assessments. During the analysis process training proponents will plan for a Post Fielding Training Effectiveness Analysis (PFTEA) to evaluate the training. Proponents must receive feedback from using units to ensure their training and training support products meet unit needs. This feedback will be used to assist proponents in improving their products and provides lessons learned that can affect the next generation of materiel systems.

The Army's Center for Army Lessons Learned (CALL) will collect Observations, Insights and Lessons (OIL), Tactics, Techniques and Procedures (TTP), After Action Review (AARs) and other operational/training documentation from all relevant sources. Commanders and staffs at all echelons have a responsibility to submit OIL products to the CALL center that is responsible for

disseminating this information to the Army. Units and organizations will follow the submission guidelines posted on the CALL NIPRNET and SIPRNET Web sites to submit AARs either electronically or in hard copy digital format (that is, electronically stored/burnt on a CD-ROM). CALL will receive OIL products for analysis, entry into the CALL database, and dissemination to appropriate proponents and agencies.

6.1.3.1 Management

The Training Developer and Combat Developer will ensure all aspects of training are identified and implemented. Both will participate in strategy development with regards to tactical operations and training, and will monitor, comment on, and attend concept development and experimentation meetings dealing with the 3,000 GPH TWPS. Training requirements will be developed and incorporated in requirements documents and a System Training Plan (STRAP) developed and updated as required by the Joint Capabilities Integration and Development System (JCIDS).

6.1.3.1.1 Strategic Planning

Not Applicable

6.1.3.1.2 Concept Development and Experimentation (CD&E)

Not Applicable

6.1.3.1.3 Research and Studies

Not Applicable

6.1.3.1.4 Policy and Guidance

The following policies and guidance impact training:

- AR 350-1 (Army Training and Leader Development)
- AR350-38 (Training Device Policies and Management)
- AR 25-30 (The Army Publishing Program)
- AMC Pam 25-31
- TRADOC Regulations 350-70 (Army Learning Policy and Systems)
- TRADOC Regulation 71-20 (Concept Development, Experimentation, and Requirements Determination)

- TRADOC Pamphlet 350-70-6 (Systems Approach to Training Analysis)
- TRADOC Pamphlet 350-70-12 (Distributed Learning-Managing Courseware Production and Implementation)
- TRADOC Pamphlet 350-70-2 (Multimedia Courseware Development Guide)
- FM 25-101 (Command Training Guidance)
- DOD Directive 5000.1 (The Defense Acquisition System), 5000.2 (Operation of the Defense Acquisition System) and Chairman of the Joint Chiefs of Staff Instruction (CJCSI) Joint Lessons Learned Program
- Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 3170.01

6.1.3.1.5 Requirements Generation

The STRAP supports the Capability Production Document, 3,000 Gallons Per Hour (GPH) Tactical Water Purification System (TWPS), FUE date: FY18.

6.1.3.1.6 Synchronization

The fielding of the 3,000 GPH TWPS and TADSS will be synchronized with the following, as applicable:

- Basis of Issue Plan (BOIP)
- TADSS, Distribution Plans
- OEF rotational units
- Power Projection Platforms
- Training Institutions
- Reception, Staging, and Onward Movement Sites

6.1.3.1.7 Joint Training Support

Not Applicable

6.1.3.2 Evaluation

The DOTD, USASCOE, will use proven techniques to determine the quality of training provided by the institution. External evaluations will focus on the use of tasks trained, the proper application of those tasks, and identification of tasks not trained but needed. Internal evaluation will focus on the presentation of the tasks at the institution, the course content, and the instructor presentation of material. SCoE will be responsible for conducting any Post Fielding Training Effectiveness Analysis (PFTEA).

Observations will be reported to the DOTD for corrective actions.

6.1.3.2.1 Quality Assurance (QA)

The Quality Assurance Office (QAO), USASCOE, will use proven techniques to determine the quality of training provided by the institution. They will conduct both internal and external evaluations and develop surveys for Soldiers performing the tasks and their supervisors.

6.1.3.2.2 Assessments

Assessments used include: Training evaluation and analyses, Monthly status reports, and/or Monthly Utilization Reports.

6.1.3.2.3 Customer Feedback

The following tools will be used:

- Electronic media for surveys, help desks, collaboration
- Interviews
- Questionnaires

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

The USAFCOE DOTD Lessons Learned/Analysis element will collect and consolidate input from external organizations, such as Combined Arms Center Lessons Learned, Battle Command Knowledge Network, and collaboration groups. This data will be assessed and, if warranted, distributed to the training developers for consideration of incorporation in new or existing courses.

6.1.3.3 Resource

The following chart is based on the best estimate of costs to achieve the threshold and objective capabilities. Estimates are based on TACOM's 3,000 GPH TWPS lifecycle costs including parametric assessments of risk and degree of difficulty. The anticipated requirement for the 3,000 GPH TWPS is 205 units at an estimated cost of \$750,000 per unit.

Current \$ in Millions	Threshold	Objective
Total RDT&E	\$10.50	\$8.50
Total Procurement OPA	\$153.70	\$152.20
OMA	\$733.40	\$666.70

(\$ in Millions/Then Year)	FY12	FY13	FY14	FY15	FY16	FY17	FY18	Total
RDT&E	\$1.37	\$2.56	\$3.00	\$1.50	\$0.00	\$0.00	\$0.00	8.433
Current	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required	\$1.37	\$2.56	\$3.00	\$1.50	\$0.00	\$0.00	\$0.00	8.433
DELTA	\$1.37	\$2.56	\$3.00	\$1.50	\$0.00	\$0.00	\$0.00	8.433
Procurement OPA	\$0.00	\$0.00	\$0.00	\$0.00	\$3.75	\$7.50	\$7.50	\$18.75
Current	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Required	\$0.00	\$0.00	\$0.00	\$0.00	\$3.75	\$7.50	\$7.50	\$18.75

DELTA	\$0.00	\$0.00	\$0.00	\$0.00	\$3.75	\$7.50	\$7.50	\$18.75
Number of 3K TWPS Systems	0	0	0	0	5	10	10	25
Training Cost Estimate to date								
New Equipment Training (NET)					\$0.18	\$0.18	\$0.18	\$0.53
IMI Op/Maint ROM					\$0.20	\$0.20	\$0.19	\$0.58
TADSS								
Automated Training Module					TBD	TBD	TBD	TBD
Maintainer Electronic Trainer					TBD	TBD	TBD	TBD
Operator Electronic Trainer					TBD	TBD	TBD	TBD
TADSS Support ROM WCLS								\$0.65 per/yr
3K TWPS for Quarter Master Schools								
Locations and required quantities								
Fort Lee, VA (12ea)							\$9.00	\$9.00
Camp Blanding, FL (2ea)							\$1.50	\$1.50

7 Operational Training Domain

The operational training domain encompasses training activities that units and organizations undertakes; to include training at home stations, at CTCs, during joint training exercises, at mobilization centers and while operationally deployed. The unit commanders are responsible for proficiency of their soldiers, subordinates and leaders from training base schools who are trained on the fundamentals of their military specialty; publishes how-to-fight doctrine that provides the basic for effective, unified action; provides training support products that enables leaders to plan, execute and evaluate training and mission rehearsals and to assess operations and lessons learned. Unit leaders have the responsibility to develop Soldiers and subordinate leaders first and foremost for success on assigned missions, but also for future assignments that might hold increasing responsibilities.

7.1 Operational Training Concept and Strategy

Unit training will occur during New Equipment Training (NET), maneuver training center rotations, and home station (HS) training. Using the institutional foundation, training in organizations and units focuses and refines individual and unit skills and knowledge. Unit sustainment training is conducted on two levels, individual and collective, and progresses from initial to sustainment. Training will be conducted using Training Support Packages provided by the institutions and support individual and collective tasks and network reach back to Soldiers home station Digital Training Management System (DTMS)

7.1.1 Product Lines

- Officer Education System
- Noncommissioned Officer Education System
- Initial Military Training
- Specialty Courses
- Soldier Training Publications
- Training Circulars
- TSPs for collective tasks
- TSPs for individual tasks

- Training Test Support Package
- Interactive Courseware

Operational training domain product lines are the integrated, interoperable capabilities that enable the conduct of training and education at the unit level. They consist of operational information infrastructures, training products, training facilities and land, and training services. For the 3,000 GPH TWPS the focus will be on training products, the other product lines are already developed and are integrated into the USASCOE training products.

7.1.1.1.1 Training Information Infrastructure

The training information infrastructure consists of hardware, software, and communications systems. The 3,000 GPH TWPS interconnecting hardware, software, and communications systems will conform to both Joint and Army training architectures.

7.1.1.1.1.1 Hardware, Software, and Communications Systems

Refer to section [6.1.1.1.1](#).

7.1.1.1.1.2 Storage, Retrieval, and Delivery

Distributed Learning (dL) packages shall be in the form of electronic portable media and will include any procedural or doctrinal changes and any upgrades or other changes to the 3,000 GPH TWPS training. The Program Manager (PM) shall create and field the dL packages that involve system-specific upgrades and changes. Units must have access to computers with web browser capability, which will be used as training tools for all training packages generated by the materiel developer. The dL package shall be developed IAW TRADOC Regulation 350-70 and TRADOC Pamphlet 350-70-12. Distributed Learning (dL) packages shall be World Wide Web deliverable and have the capability to reside on the Army's Sustainment Knowledge Network. Distributed Learning (dL) packages will have the capability to be downloaded from the Web.

7.1.1.1.1.3 Management Capabilities

Refer to section [6.1.1.1.3](#)

7.1.1.1.1.4 Other Enabling Capabilities

Not Applicable

7.1.1.2 Training Products

- Soldier Training Publications
- Training Circulars
- TSPs for collective tasks
- TSPs for individual tasks
- Training Test Support Package
- Interactive Courseware
- Technical Manuals
- Interactive Multimedia Instruction (IMI)
- Web-based instructions

7.1.1.2.1 Courseware

3,000 GPH TWPS courseware will include ICW, IMI, and Web-based instructions. The instructional package will be embedded in the 3,000 GPH TWPS and will replicate ICW (Interactive Courseware), IMI (Interactive Multimedia Instruction) and Web-based Instruction capabilities. The embedded courseware will allow for individuals to train at their own pace and will be used to reinforce primary instruction.

7.1.1.2.2 Courses

Not Applicable

7.1.1.2.3 Training Publications

See 6.1.1.2.3 Training Publications.

7.1.1.2.4 TSP

See 6.1.1.2.4 TSP.

7.1.1.3 TADSS

See 6.1.1.3 TADSS.

7.1.1.3.1 Training Aids

See 6.1.1.3.1 Training Aids.

7.1.1.3.2 Training Devices

See 6.1.1.3.2 Training Devices.

7.1.1.3.3 Simulators

Not Applicable

7.1.1.3.4 Simulations

Not Applicable

7.1.1.3.5 Instrumentation

Not Applicable

7.1.1.4 Training Facilities and Land

See 6.1.1.4 Training Facilities and Land.

7.1.1.4.1 Ranges

Not Applicable

7.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

7.1.1.4.3 Classrooms

Not Applicable

7.1.1.4.4 CTCs

Not Applicable

7.1.1.4.5 Logistics Support Areas

Not Applicable

7.1.1.4.6 Battle Command Training Centers (BCTC)

Not Applicable

7.1.1.5 Training Services

Not Applicable

7.1.2 Architectures and Standards Component

See 6.1.2 Architectures and Standards Component.

7.1.2.1 Operational View (OV)

See 6.1.2.1 Operational View (OV).

7.1.2.2 Systems View (SV)

See 6.1.2.2 Systems View (SV).

7.1.2.3 Technical View (TV)

See 6.1.2.3 Technical View (TV).

7.1.3 Management, Evaluation, and Resource (MER) Processes Component

See section [6.1.3](#)

7.1.3.1 Management

Not Applicable

7.1.3.2 Evaluation

See 6.1.3.2 Evaluation.

7.1.3.2.1 Quality Assurance (QA)

See 6.1.3.2.1 Quality Assurance (QA).

7.1.3.2.2 Assessments

See 6.1.3.2.2 Assessments.

7.1.3.2.3 Customer Feedback

See 6.1.3.2.3 Customer Feedback.

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

See 6.1.3.2.4 Lessons Learned/After-Action Reviewa (AARs).

7.1.3.3 Resource Processes

Not Applicable

8 Self-Development Training Domain

The self-development training domain recognizes the Army's continuous lifelong learning model. Training activities in training based school and in operational units often will not meet every individuals need for content or time. Self-development enables individuals to pursue personal and professional development goals. Leaders help subordinates identify areas where self-development will improve performance of current assignment and areas that will prepare them for future career assignments. The training base provides education and training products that can be used for self-development.

8.1 Self-Development Training Concept and Strategy

Self-development products will be prepared for access from common databases, to support reuse with other systems, and access through training support automation systems worldwide. Training repositories will be reachable from classrooms, remote locations, hardware platforms, barracks, homes, and business environments. Training that will be available to these locations will not include classified information. Self-development training exists to support operator, leader, and staff development by providing access to all levels of Army and joint web-based knowledge systems. Learning management systems give the soldier an on-line ability to manage career-path, determine and plan future training requirements, and track the completion of training. The ability to access and complete secure testing materials, and then receive results, will allow students to track their progress and determine their own strengths and weaknesses.

8.1.1 Product Lines

- Officer Education System
- Noncommissioned Officer Education System
- Initial Military Training
- Soldier Training Publications
- Training Circulars
- TSPs for collective tasks
- TSPs for individual tasks
- Training Test Support Package
- Interactive Courseware

Self-development training domain product lines are the integrated, interoperable capabilities that allow for continuing education of soldier and leader. They consist of operational information infrastructures, training products, training facilities and land, and training services. For the 3,000 GPH TWPS the focus will be on training products, the other product lines are already developed or are not considered as part of the soldier and leader self development.

8.1.1.1 Training Information Infrastructure

Not Applicable

8.1.1.2 Training Products

See 6.1.1.2 Training Products.

8.1.1.2.1 Courseware

See 6.1.1.2.1 Courseware.

8.1.1.2.2 Courses

Not Applicable

8.1.1.2.3 Training Publications

See 6.1.1.2.3 Training Publications.

8.1.1.2.4 Training Support Package (TSP)

See 8.1.1.2.4 Training Support Package (TSP).

8.1.1.3 Training Aids, Devices, Simulators and Simulations (TADSS)

See 6.1.1.3 Training Aids, Devices, Simulators and Simulations (TADSS).

8.1.1.3.1 Training Aids

Not Applicable

8.1.1.3.2 Training Devices

Not Applicable

8.1.1.3.3 Simulators

Not Applicable

8.1.1.3.4 Simulations

Not Applicable

8.1.1.3.5 Instrumentation

Not Applicable

8.1.1.4 Training Facilities and Land

Not Applicable

8.1.1.5 Training Services

Not Applicable

8.1.2 Architectures and Standards Component

Not Applicable

8.1.3 Management, Evaluation, and Resource (MER) Processes Component

Not Applicable

A Milestone Annex

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET A			PAGE 1 OF 1 PAGES		REQUIREMENTS CONTROL SYMBOL
SYSTEM 3,000 GPH TWPS		ACAT III	OFFICE SYMBOL		AS OF DATE 19 April 2013
POINTS OF CONTACT		NAME	OFFICE SYMBOL	TELEPHONE	
MATERIEL COMMAND		LTC Shon-Neil W. Severns	SFAE-CSS-FP	586-282-4200	
TRADOC PROPONENT		CASCOM- Quartermaster	ATSM-CG	539-3458	
TCM					
CD:		Mr. Charles E. Burden	ATCL-CDM	539-1405	
TD:		Mr. Jeffrey S. Ardis	ATCL-TS	539-7141	
ATSC:		Anthony Jimenez		826-0526	
SUPPORTING PROPONENTS:					
ITEM	DATE	RESPONSIBLE AGENCY/POC		TELEPHONE	
MNS:					
SMMP:					
MRD:					
ILSMP:					
TTSP:	TBD	CASCOM-SID	Mr. Jeffrey S. Ardis	539-7141	
QQPRI:					
BOIP:	TBD	CASCOM-MSD	Mr. Charles E. Burden	539-1405	
NETP:	TBD	TACOM	Mr. Timothy L. Walker	586-239-5537	

COMMENTS:				

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B		PAGE 1 OF 1 PAGES		REQUIREMENTS CONTROL SYMBOL	
SYSTEM: 3,0000 GPH TWPS		TRADOC SYMBOL		AS OF DATE 19 April 2013	
TRAINING PACKAGE ELEMENT/PRODUCT					
MILESTONES BY QUARTER					
LEG					
END					
:					
CPD	X				
App					
rov					
al					
APB			X		
/MS					
B					
-					
EMD					
RFP			X		
Rel					
eas					
e					
Cri				X	
tic					

al Des ign Rev iew (CD R)															
Pro duc tio n Qua lif ica tio n Tes t (PQ T)						X									
APB /MS C LRI P App rov al							X	X							
J&A for Oth er Tha n Ful l&O pen Com pet iti									X						

on															
Con tra ct awa rd										X					
LRI P Del ive ry											X				
Gov ern men t FAT (PV T)												X			
Com ple te Gov ern men t Tes t Rep ort s													X		
FM R/T C Std /FR P App rov al													X		

First Unit Equipped (FUE)													X			
NOTE: Identify TRAINING DEVELOPMENT MILESTONES . TRADOC FORM 569-1-R-E provides a detailed list of typical training development products required to support system training integration.																
COMMENTS:																

NOTE: The following table is optional; however, it is useful for populating SHEET B above and provides greater detail for each milestone. If not used, delete from this section before submitting for staffing.

	Individual Training Plan (Per each ITP)	
	Milestone:	Date
	1. Initial Individual Training Plan (ITP) submitted.	
	2. Annotated task list submitted.	

	3. Course Administrative Data (CAD) submitted.	
	4. Training Program Worksheet (TPW) submitted.	
	5. ITP submitted.	
	6. POI submitted.	
	7. Digitized copy archived.	
	8. Resident course start date (NLT 12 months after FUE).	
	Army Correspondence Course Program	
	(Only as a DL portion of a TATS course)	
	Milestone:	Date
	1. Requirement identified and submitted for approval.	
	2. Requirement approved by HQ TRADOC.	
	3. Development initiated.	

	4. Advance breakdown sheet submitted.	
	5. Digitized camera-ready copy (CRC) submitted.	
	6. Subcourse material ready for replication/distribution.	
	Field Manuals (FMs)	
	Milestone:	Date
	1. Requirements identified.	
	2. Draft FM changes validated.	
	3. FM outlines approved.	
	4. FM coordinating draft completed.	
	5. Print/digitization request initiated.	
	6. Approved digitized CRC submitted.	
	7. Replication/distribution	

	completed.	
	Army Training Literature Note: Includes the Soldiers Manual (SM), Trainers Guide (TG), and Army Training and Evaluation Program (ARTEP) products.	
	Milestone:	Date
	1. Analysis completed.	
	2. Draft SM, ARTEP MTP, and TG.	
	3. ATSC staffing.	
	4. Digitized/CRC submitted.	
	5. Replication/distribution completed.	
	Interactive Multimedia Instruction (IMI)/Distance Learning	
	Milestone:	Date
	1. Requirements identified and submitted for approval.	

	2. Requirements approved by ATSC and TRADOC.	
	3. Resources identified.	
	4. Courseware developed and validated.	
	5. Master materials to ATSC for replication and distribution.	
	6. Replication/distribution completed.	
	Training Effectiveness Analysis (TEA)	
	(Conducted in-house, by contract, Training Development and Analysis Activity [TDAA], TRADOC Analysis Center [TRAC], or Program Manager [PM])	
	Milestone:	Date
	1. TEA during capabilities development.	
	2. TEA updated for Milestone Decision Review A.	

	3. TEA updated for Milestone Decision Review B.	
	4. TEA updated for Milestone Decision Review C.	
	5. Post-Fielding TEA (PFTEA) planned.	
	Army Visual Information Production and Distribution Program (DAVIPDP)	
	Milestone:	Date
	1. High risk tasks and jobs identified.	
	2. Storyboards validated.	
	3. DAVIPDP requirements submitted to ATSC.	
	4. Requirements approved by DA.	
	5. Production initiated.	
	6. Replication/distribution	

	completed.	
	Training Aids, Devices, Simulators, and Simulations	
	(TADSS)	
	Milestone:	Date
	1. High risk, hard-to-train tasks identified.	
	2. Need for TADSS identified.	
	3. TADSS concept validated.	
	4. TADSS incorporated into the STRAP (part of the CATS).	
	5. Analytical justification using the TEA provided.	
	6. TSS CDD/ CPD developed, if required.	
	7. TADSS effectiveness validated.	
	8. TADSS incorporated into the ICD, CDD, CPD, STRAP	

	9. MOS-specific milestones/requirements for TADSS developed and incorporated in the integrated training strategy (ITS).	
		</

B References

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v2.2.2 James L Berg 2013/05/20 - 2013/05/25	Document Accepted As Written			0	0	0	0	0	0	-
v2.2.1 James L Berg 2013/05/08 - 2013/05/18	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - SCoE 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - USARC G7 (US Army Reserve Cmd) 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - TRADOC_ARCIC 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - TRADOC Command Safety Office 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - TCM- Transportation 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - TCM dL 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-

v2.2 Army - PEO-STRI Customer Support Group 2012/08/03 - 2012/09/02	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - MSCoE - MANSCEN 2012/08/03 - 2012/09/02	2	1	0	2	0	0	0	1	0	
v2.2 Army - MCoE - Infantry&Armor School 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - IMCOM 2012/08/03 - 2012/09/02	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - Human Resource Command (HRC) 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - HQDA G2 2012/08/03 - 2012/09/02	Document Accepted As Written			0	0	0	0	0	0	-
v2.2 Army - FCoE - Field Artillery 2012/08/03 - 2012/09/02	13	2	0	13	2	0	0	0	0	
v2.2 Army - Combined Arms Center 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-
v2.2 Army - AVNCoE Aviation Logistics School 2012/08/03 - 2012/09/02	No Comments Submitted			0	0	0	0	0	0	-

v2.2 Army - ARNG-RMQ-RA 2012/08/03 - 2012/09/02	Document Accepted As Written	0	0	0	0	0	0	-
v2.2 Army - AMEDD Center&School 2012/08/03 - 2012/09/02	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - SCoE 2012/01/17 - 2012/02/16	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - SCoE 2012/01/18 - 2012/02/06	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - SCoE 9/15/2011 - 10/4/2011	No Comments Submitted	0	0	0	0	0	0	-
v2.1 Peer - MSCoE - MANSCEN 9/15/2011 - 10/4/2011	Document Accepted As Written	0	0	0	0	0	0	-
v2.1 Peer - ATSC 9/15/2011 - 10/4/2011	No Comments Submitted	0	0	0	0	0	0	-

Key
Completed Review with Comments
Completed Review, No Comments
Active Review Occurring



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
UNITED STATES ARMY COMBINED ARMS SUPPORT COMMAND
SUSTAINMENT CENTER OF EXCELLENCE
2221 ADAMS AVENUE
FORT LEE, VIRGINIA 23801-2102

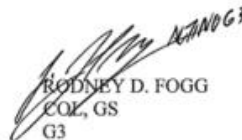
ATCL-T

19 April 2013

MEMORANDUM FOR Commander, US Army Combined Arms Support Command, ATTN:
ATCL-TSS/ (Mr. Jeffrey S. Ardis), Fort Lee, VA 23801-2102

SUBJECT: Approval of the System Training Plan (STRAP) for the 3,000 Gallon Per Hour
(GPH) Tactical Water Purification System (TWPS)

1. Reference TRADOC Regulation 350-70, Army Learning Policy and Systems, 6 December 2011.
2. The STRAP for the 3,000 Gallon Per Hour (GPH) Tactical Water Purification System (TWPS) is approved. The approved STRAP will be posted to AKO website: <https://swt.army.mil/swt/login.jsp> and in the Central Army Registry (CAR).
3. The POC for this action is Mr. Jeffrey S. Ardis, DSN 539-7141, (804) 765-7141, Jeffrey.s.ardis.civ@mail.mil.


RODNEY D. FOGG
COL, GS
G3